



RV INTERNATIONAL

Essential Oils Manufacturer & Bulk Supplier in India

GST NO. 06BGIPG9360E1ZF

Address: Opposite Sudhanshu Maharaj Ashram, Shiv Mandir, Nimbri, Panipat, Haryana 132104

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1.1 — PRODUCT IDENTIFICATION

PRODUCT NAME: MANDARIN ESSENTIAL OIL

BOTANICAL NAME: Citrus reticulata

COMMON NAMES: Mandarin Orange Oil / Tangerine Oil

MOLECULAR FORMULA: NOT APPLICABLE

MOLECULAR WEIGHT: NOT APPLICABLE

CAS No.: 8008-31-9

FEMA No.: 2657

SECTION 1.2 — COMPANY IDENTIFICATION

Company Name: RV International

Address: Shiv Mandir, Ujha Rd, Opposite Sudhanshu Aashram, Nimbri, Panipat, Haryana 132104

Telephone: +91 8937003005

Email: info@rvorganica.com

Website: www.rvorganica.com

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	HAZARDOUS STATEMENT
MANDARIN ESSENTIAL OIL	8008-31-9	Not a hazardous substance

HAZARDOUS CLASSIFICATION: NOT A HAZARDOUS SUBSTANCE OR MIXTURE.

*PERSONAL CARE, COSMETIC & AROMATHERAPY PURPOSE. Mandarin essential oil is cold-pressed from the outer peel of Citrus reticulata fruit. It is one of the sweetest and most gentle of all the citrus essential oils, widely considered safe for use with children and during pregnancy when properly diluted. It is beloved for its cheerful, uplifting, sweet-citrusy aroma.

SECTION 3: HAZARD IDENTIFICATION

Mandarin essential oil is considered low hazard — one of the safest citrus oils for topical use.

Eye Contact: May cause mild irritation upon direct contact

Skin Contact: Generally very well-tolerated; phototoxic — avoid sun exposure after topical application

Inhalation: No significant hazard under normal use conditions

Ingestion: Not for internal consumption as a cosmetic product



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SECTION 4: FIRST AID MEASURES

Eyes: Flush with plenty of water for 15 minutes. Seek medical attention if irritation persists.

Skin: Rinse with water and mild soap. Seek medical attention if irritation develops.

Ingestion: Drink water to dilute. Seek medical attention if large quantities ingested.

Inhalation: Remove to fresh air if vapour causes any discomfort.

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point (Method Used): >38°C Close Cup

Extinguishing Media: Dry Chemical, Carbon Dioxide, Foam

Unsuitable Media: Water (except to cool containers)

Special Firefighting Procedures: Fire fighters should wear positive pressure self-contained breathing apparatus. Cool containers exposed to flame with water.

Unusual Fire & Explosion Hazards: Not established — relatively low flash point; store away from heat sources

Hazardous Decomposition Materials: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Avoid ingestion. Wear eye protection and gloves. Ventilate area well.

Methods for Cleaning Up: Eliminate all sources of ignition. Ventilate area. Prevent liquid from entering sewers.

- Small spills: wipe up with paper rags (place in closed metal waste container)
- Large spills: absorb onto non-flammable absorbent. Wash area with soap and water.

SECTION 7: HANDLING AND STORAGE

Safe Handling: Avoid ingestion. Always dilute before skin application. Keep away from heat and open flame — relatively low flash point. IMPORTANT: Avoid direct sun or UV exposure on skin for 12–18 hours after topical application — phototoxicity risk.

Storage Requirements: Store in a cool, dark, dry, well-ventilated area away from heat sources and direct sunlight. Keep tightly sealed. Citrus oils have a shorter shelf life — use within 1–2 years of opening.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Threshold Limit Value: Not established

Work Practice Controls: Personal hygiene is an important work practice exposure control measure.

- Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.



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- Wash exposed skin promptly to remove accidental splashes or contact with this material.

Respiratory: Normal ventilation is adequate for typical use

Ventilation: Normal room ventilation is sufficient

Eye: Wear safety glasses for industrial handling

Skin: Gloves recommended for industrial handling

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil

Color: Orange to Reddish-Orange

Odor: Characteristic sweet, tangy, fresh citrusy mandarin orange scent

Vapor Pressure (mmHg.): Not available

Flash Point: >38°C (Closed Cup)

Boiling Point: Not available

Melting Point: NA

Density @25°C: 0.852

Refractive Index @25°C: 1.474

Solubility in Water: Insoluble

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions; citrus oils oxidise more quickly than most — store correctly and use within recommended shelf life

Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents and hot sources of ignition.

Conditions to Avoid: Avoid contact with sparks, flame, heat, and direct sunlight.

Hazardous Decomposition By-products: Smoke and unidentified organic compounds may be formed during combustion.

Hazardous Polymerization: Will Not Occur

SECTION 11: TOXICOLOGICAL INFORMATION

Mandarin essential oil is one of the gentlest citrus oils — widely considered safe for children and pregnancy when properly diluted.

Irritancy: Very mild — minimal irritancy when diluted

Sensitization: Rarely sensitizing

Phototoxicity: CAUTION — contains furanocoumarins (bergapten traces); avoid direct sun or UV exposure for 12–18 hours after topical application

Health Hazards: Low acute toxicity at normal usage levels

Eye Contact: Mild irritant



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Note: Mandarin oil is among the safest essential oils for children, elderly, and during pregnancy (second/third trimester). Always dilute appropriately. Avoid sun exposure after topical use. Conduct a patch test before use on sensitive skin.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: May be mildly toxic to aquatic life — dispose of responsibly.

SECTION 13: DISPOSAL CONSIDERATION

Waste Disposal Methods: Dispose of according to local, state and federal regulations.

SECTION 14: OTHER REGULATORY INFORMATION

CAS NO: 8008-31-9

FEMA No.: 2657

Hazards: Phototoxic — avoid sun exposure after topical use

Risk Phrases: Mildly irritating to eyes in undiluted form. Phototoxic — avoid sun/UV exposure 12–18 hours after topical application.

Safety Phrases: Avoid direct sun exposure after application to skin. Dilute before use. Keep out of reach of children. Safe for children and pregnancy when properly diluted.

SECTION 16: ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The information contained in this Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of RV International's knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations.



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